

3/90
inspection

Inspector: Felice Tj
Address: Melro office
Telephone No: (201) 664-3968

RCRA LAND DISPOSAL RESTRICTION
GENERATOR CHECKLIST

I. HANDLER IDENTIFICATION

A. Handler Name Henkel Corp B. Street (or other identifier) Berry Ave at Rte 17N
C. City Clarkstown D. State NJ E. Zip Code 07072 F. County Name Bergen
G. Nature of Business; Identification of Operations: SIC Code(s) Specialty chemical Manufacture
H. EPA ID # NJ0002012219
I. Handler Contact (Name and Phone Number) Herbert Talammi (201) 933-5222

II. GENERATOR COMPLIANCE

Comments

A. Waste Identification

1. F-Solvents

a. Does the handler generate the following wastes?

(1) P001, P002, P004, or P005 Yes ✓ No

(11) P003 Yes ✓ No

If an P003 wastestream (listed solely for ignitability) has been mixed with a non-restricted solid or hazardous waste, does the resultant mixture exhibit the ignitability characteristic?
Yes ✓ No

b. Source of the above: Form 8700-12 ✓; Part A ✓; Part B ✓; Biennial/Annual Reports ✓
other (specify) ✓ Manifests

Appendix A is intended to assist the inspector and enforcement official in determining whether the facility is generating F-solvent wastes, if such wastes were not identified by the facility previously. If you are concerned that F-solvent wastes may be misclassified or mislabeled, turn to Appendix A-1. To assist in identifying potentially

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

misclassified F-solvents, Appendix A-2 presents a list of corresponding F and U wastes. Note concerns below: _____

2. Dioxin wastes

- a. Does the handler report the generation of the following wastes? (The following industries may generate listed dioxin wastes: organic chemicals, pesticide or formulator.)

(i) F020 - F023, F026 - F027 ☐ Yes ☒ No
(ii) F028 ☐ Yes ☒ No

[F-solvent BD&T standards are presented as Appendix B]

3. California Waste Identification

- a. Does the facility handle any of the following wastes?

(i) D002 ☒ Yes ☐ No
(ii) D004 - D011 ☐ Yes ☒ No

- b. Does the generator handle any hazardous wastes characterized by high concentrations of halogenated organic constituents (HOCs), metals, or cyanides? ☐ Yes ☒ No

[California waste standards are presented as Appendix C]

- c. Is the generator handling any of the F, K, P, or U wastes subject to the "soft hammer" that may qualify as California wastes due to HOC, metals, or cyanide content? See Appendix D for a listing of California constituents likely to be found by waste code. ☐ Yes ☒ No

- d. Has the generator conducted the paint filter test (Method 9095) [§268.32(i)]? ☐ Yes ☒ No*

- e. Has the generator conducted any testing of these hazardous wastes to determine whether the concentrations qualify the hazardous wastes as California wastes? ☒ Yes ☐ No

If no, has the generator retained records documenting his "applied knowledge" that the hazardous waste is not a California waste?

Also ☒ Yes ☐ No

2/ A potential violation is indicated

GEN-2

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

If "no" is answered to both parts of this question, a violation is indicated. [§268.7(a)]

Describe the nature of the records:

Waste Profiles + Analysis sheets

- f. Source of the above: Form 8700-12 _____; Part A ✓; Part B _____; Biennial/Annual Report _____; other (specify) _____.

4. First Third Waste Identification

- a. Does the generator handle any of the wastes listed as First Third Wastes in §268.10? See Appendix E for listing. List First Third Wastes handled by the generator here:

~~U-122~~ NO

- b. Does the generator handle any soft-hammer wastes (Appendices D-1, D-2, and F)? If so, list those wastes:

U-122

- c. Are any of the soft-hammered wastes California wastes (see Appendix G)? _____ Yes ✓ No

If yes, the wastes must meet BDAT standards prior to disposal.

- d. Has the Regional Administrator received demonstrations/certifications for all soft hammered wastes to be land disposed [§268.8(a)(2)]? ✓ Yes _____ No*

- e. Source of the above: Form 8700-12 _____; Part A _____; Part B _____; Biennial/Annual Report _____; other (specify) ✓ Manifest files

B. BDAT Treatability Group - Treatment Standards Identification

1. Does the generator mix restricted wastes with different treatment standards for constituents of concern? _____ Yes ✓ No
2. If yes, did the generator select the most stringent treatment standard for the constituent of concern [§268.41(b)]? _____ Yes _____ No*

2/ A potential violation is indicated

GEN-3

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

3. F Solvents - -

- a. Did the generator correctly determine the appropriate treatability group [§268.41] of the waste (e.g., wastewaters containing solvents, nonwastewater (i.e., < 1% TOC), pharmaceutical wastewaters containing spent methylene chloride, all other spent solvent wastes)?

____ Yes ____ No* *NA*

4. California Wastes

- a. Did the generator correctly determine the distinction between liquid hazardous wastes and non-liquid hazardous wastes that contain HOCs in concentrations greater than 1,000 mg/kg [§268.32(h)]?

____ Yes ☒ No* *waste is 0002*

5. First Third Wastes

- a. Did the generator ascertain whether restricted wastes were appropriately assigned wastewater or nonwastewater designations (nonwastewaters are > 1% TOC and > 1% suspended solids) [§268.7(a)]?

☒ Yes ____ No*

- b. Does the facility handle K061 wastes?

____ Yes ☒ No

If yes, were nonwastewaters appropriately classified in either the high or low zinc subcategories (≥15% Zn) [§268.7(a)] [§268.41(a)]?

____ Yes ____ No*

- c. Does the facility handle K101 or K102 wastes?

____ Yes ☒ No

If yes, were nonwastewaters appropriately classified in either the high or low arsenic subcategories [§268.7(a)] [§268.41(a)]?

____ Yes ____ No*

- d. Is there any reason to believe that the generator may have diluted the waste to change the applicable treatment standard (based on review of process operation, pipe routing, point of sampling)?

____ Yes ☒ No

2/ A potential violation is indicated

GEN-4

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

C. Waste Analysis - -

1. Did the generator determine whether the waste exceeds treatment standards based on §268.7(a):

a. Knowledge of wastes ☒ Yes ☐ No

- (i) List wastes for which "applied knowledge" was used:

U-122

b. TCLP ☐ Yes ☒ No

- (i) List wastes for which "TCLP" was used:

- (ii) Appendix D lists wastes for which treatment standards are expressed as concentrations in waste extract. Were any wastes handled by the generator subject to waste extract standards not tested using the TCLP? ☐ Yes ☐ No

If yes, list: _____

c. Total waste analysis ☒ Yes ☐ No

- d. If files were retained, describe content and basis of applied knowledge determination:

waste analysis on all spec batches

If determined by TCLP or total constituent analysis, provide date of last test, frequency of testing, and attach test results.

Dates/frequency: each shipment / 11/90

Note which wastes were subjected to which tests:

Note any problems (e.g., inadequate analysis, variation of waste composition/generation for applied knowledge) NONE

2/ A potential violation is indicated

GEN-5

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

- e. Were wastes tested using TCLP or total constituent analysis when a process or wastestream changed [§264.13(a)(3)(1) or §265.13(a)(3)(1)]? ☒ Yes ☐ No*

2. Did the restricted wastes exceed applicable treatability group treatment standards upon generation [§268.7(a)(1)]?

List those that exceeded standards: U-122

List those that did not exceed standards: _____

3. Did the generator dilute the waste or the treatment residual so as to substitute for adequate treatment [§268.3] ☐ Yes* ☒ No

D. Management

1. Onsite management

- a. Were restricted wastes managed onsite? ☒ Yes ☐ No

If no, go to "2".

- b. For wastes that exceed treatment standards, was treatment in regulated units, storage for greater than 90 days, and/or disposal conducted? ☐ Yes ☐ No

If yes, TSDF checklist must be completed.

2. Offsite Management

- a. If restricted wastes exceed treatment standards, did generator provide treatment facility notification with each shipment? [268.7(a)(1)]:

(i) EPA Hazardous Waste Number? ☒ Yes ☐ No*

(ii) Corresponding treatment standard? ☒ Yes ☐ No*

(iii) Manifest number? ☒ Yes ☐ No*

(iv) Waste analysis, if available? ☒ Yes ☐ No

2/ A potential violation is indicated

GEN-6

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

Identify offsite treatment facilities ENSCO-AR
+ Chemical Waste Management - NY + AL + Chemmet Services - NJ

- b. If restricted wastes do not exceed treatment standards, did generator provide the disposal facility with a notice and certification including:

- (i) EPA hazardous waste I.D. number? Yes No*
(ii) Corresponding treatment standard? Yes No*
(iii) Manifest number Yes No*
(iii) Certification regarding waste and that it meets treatment standards? Yes No*

Identify land disposal facilities receiving the BDAT certified wastes _____

- c. If the generator's waste is subject to a §268.5 case by case exemption, a §268.6 "no migration" exemption, or a nationwide variance (see Appendix E for restricted wastes subject to nationwide variances), does the generator's records indicate that he or she submits with each waste shipment [§268.7(a)(3)]:

- (i) EPA Hazardous Waste Number? Yes No*
(ii) Corresponding Treatment Standards? Yes No*
(iii) All applicable prohibitions? Yes No*
(iv) The manifest number? Yes No*
(v) The date the wastes are subject to prohibitions? Yes No*
(vi) Does generator keep records of all notifications/certifications sent to offsite facilities? Yes No*

2/ A potential violation is indicated

GEN-7

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

List all prohibited wastes for which records
are not provided per above [§268.7(a)(b)]:

Identify TSDFs receiving any prohibited wastes
subject to any exemptions and variances:

- d. If handler generates a "soft hammer" waste,
does the generator send with each "soft hammer"
waste shipment to a TSDF and retain copies of,
a notice that includes [268.7(a)(4)]:

The EPA Hazardous Waste Number? ☒ Yes ☐ No*

Applicable prohibitions? ☒ Yes ☐ No*

The manifest number? ☒ Yes ☐ No*

Waste analysis data, where available? ☒ Yes ☐ No

- (i) Do the generator's records indicate that
any soft-hammer wastes are destined for
disposed in a landfill or surface
impoundment [§268.33(f)]? ☐ Yes ☒ No

If yes, list facility of destination and
waste of concern [§268.8(a)(2)]

- (ii) Has the generator submitted demonstra-
tions and certifications for each
"soft-hammered" waste destined to be
disposed in landfill or surface impound-
ment to the Regional Administrator prior
to the shipment of waste to the TSDF
[§268.7(a)(2)]? ☐ Yes ☐ No* *NA*

- (iii) Has the generator retained a copy of the
demonstration on site [§268.8(a)(3)-
(a)(4)]? ☐ Yes ☐ No*

- (iv) Has the generator retained copies of all
§268.8 certifications sent to the TSDF
[§268.7(a)(6)] ☐ Yes ☐ No*

A potential violation is indicated

GEN-8

APPENDIX A
SOLVENT IDENTIFICATION CHECKLIST

1. Does the handler generate any of the following F001 constituents (i.e., spent halogenated solvents used in degreasing) as a result of being used in the process either in pure form or commercial grade?

tetrachloroethylene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
trichloroethylene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
methylene chloride	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
1,1,1-trichloroethane	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
carbon tetrachloride	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
chlorinated fluorocarbons	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

2. Does the handler generate any of the following F002 constituents (i.e., spent halogenated solvents) as a result of being used in the process either in pure form or commercial grade?

tetrachloroethylene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
trichloroethylene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
methylene chloride	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
1,1,1-trichloroethane	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
chlorobenzene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
trichlorofluoromethane	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
1,1,2-trichloro-1,2,2-trifluoroethane	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
ortho-dichlorobenzene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

3. Does the handler generate any of the following F003 constituents (i.e., spent nonhalogenated solvents) as a result of being used in the process either in pure form or commercial grade?

xylene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
acetone	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
ethyl acetate	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
ethyl benzene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
ethyl ether	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
methyl isobutyl ketone	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
n-butyl alcohol	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
cyclohexanone	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
methanol	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

If the F003 waste stream has been mixed with a solid waste, does the resultant mixture exhibit the ignitability characteristic?

☐ Yes ☒ No

4. Does the handler generate any of the following F004 constituents (i.e., spent nonhalogenated solvents) as a result of being used in the process either in pure form or commercial grade?

cresols and cresylic acid
nitrobenzene

☐ Yes ☒ No
☐ Yes ☒ No

5. Does the handler generate any of the following F005 constituents (i.e., spent nonhalogenated solvents) as a result of being used in the process either in pure form or commercial grade?

toluene
methyl ethyl ketone
carbon disulfide
isobutanol
pyridine

☐ Yes ☒ No
☐ Yes ☒ No
☐ Yes ☒ No
☐ Yes ☒ No
☐ Yes ☒ No

6. Are any of the constituents listed in questions 1 through 5 used for their "solvent" properties -- that is to solubilize (dissolve) or mobilize other constituents? The following questions will be helpful in confirming this determination.

- (a) Are the constituents used as chemical carriers?

☐ Yes ☐ No

If yes, list the constituents.

- (b) Are the constituents used for degreasing/cleaning?

☐ Yes ☐ No

If yes, list the constituents.

- (c) Are the constituents used as diluents?

☐ Yes ☐ No

If yes, list the constituents.

- (d) Are the constituents used as extractants?

☐ Yes ☐ No

If yes, list the constituents.

(e) Are the constituents used for fabric scouring? ☐ Yes ☐ No

If yes, list the constituents.

(f) Are the constituents used as reaction and synthesis media? ☐ Yes ☐ No

If yes, list the constituents.

If the responses to questions 1 through 6 led the inspector to believe that the waste may be an F-solvent, answer question 7.

7. Are any of the above constituents spent solvents? (A solvent is considered "spent" when it has been used and is no longer usable without being regenerated, reclaimed, or otherwise reprocessed.) ☐ Yes ☐ No
8. If the waste is a mixture of constituents as determined in questions 1 through 6, give the concentration before use of all the constituents in the solvent mixture/blend. For example:

5%	methylene chloride
2%	trichloroethylene
25%	1,1,1-trichloroethane
<u>68%</u>	mineral spirits
100%	

If the waste stream is a mixture containing a total of 10% or more (by volume) of one or more of the F001, F002, F004, or F005 listed constituents before use, it is a listed waste.

With respect to the F003 solvent wastes, if, before use, the waste stream is mixed and contains only F003 constituents, it is a listed waste. For example:

33%	acetone
16%	methanol
<u>51%</u>	ethyl ether
100%	

If the waste stream is a mixture containing F003 constituents and a total of 10% or more of one or more of the F001, F002, F004, and F005 listed constituents before use, it is a listed waste. For example:

50%	xylene (F003)
12%	TCE (F001)
<u>38%</u>	mineral spirits
100%	

If in light of the above, the handler appears to be generating F001 - F005 hazardous wastes, refer this facility to the enforcement official for followup actions verifying the use of solvents at the facility.

**APPENDIX B
TREATMENT STANDARDS FOR F-SOLVENTS**

F001-F005 SPENT SOLVENTS	CONCENTRATION (IN MG/L)	
	WASTEWATERS	OTHER WASTES
Acetone	0.05	0.59
N-butyl	5.0	5.0
Carbon disulfide	1.05	4.81
Carbon tetrachloride	.05	.96
Chlorobenzene	.15	.05
Cresols (and cresylic acid)	2.82	.75
Cyclohexanone	.125	.75
1,2-dichlorobenzene	.65	.125
Ethyl acetate	.05	.75
Ethyl benzene	.05	.053
Ethyl ether	.05	.75
Isobutanol	5.0	5.0
Methanol	.25	.75
Methylene chloride	.20	.96
Methylene chloride (from the pharmaceutical industry)	12.7	.96
Methyl ethyl ketone	0.05	0.75
Methyl isobutyl ketone	0.05	.33
Nitrobenzene	0.66	0.125
Pyridine	1.12	0.33
Tetrachloroethylene	0.079	0.05
Toluene	1.12	0.33
1,1,1-Trichloroethane	1.05	0.41
1,2,2-Trichlor 1,2,2-trifluoroethane	1.05	0.96
Trichloroethylene	0.062	0.091
Trichlorofluoromethane	0.05	0.96
Xylene	0.05	0.15

APPENDIX A
SOLVENT IDENTIFICATION CHECKLIST

1. Does the handler generate any of the following F001 constituents (i.e., spent halogenated solvents used in degreasing) as a result of being used in the process either in pure form or commercial grade?

tetrachloroethylene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
trichloroethylene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
methylene chloride	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
1,1,1-trichloroethane	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
carbon tetrachloride	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
chlorinated fluorocarbons	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

2. Does the handler generate any of the following F002 constituents (i.e., spent halogenated solvents) as a result of being used in the process either in pure form or commercial grade?

tetrachloroethylene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
trichloroethylene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
methylene chloride	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
1,1,1-trichloroethane	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
chlorobenzene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
trichlorofluoromethane	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
1,1,2-trichloro-1,2,2-trifluoroethane	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
ortho-dichlorobenzene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

3. Does the handler generate any of the following F003 constituents (i.e., spent nonhalogenated solvents) as a result of being used in the process either in pure form or commercial grade?

xylene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
acetone	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
ethyl acetate	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
ethyl benzene	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
ethyl ether	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
methyl isobutyl ketone	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
n-butyl alcohol	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
cyclohexanone	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
methanol	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

If the F003 waste stream has been mixed with a solid waste, does the resultant mixture exhibit the ignitability characteristic?

☐ Yes ☒ No

4. Does the handler generate any of the following F004 constituents (i.e., spent nonhalogenated solvents) as a result of being used in the process either in pure form or commercial grade?

cresols and cresylic acid
nitrobenzene

☐ Yes ☒ No
☐ Yes ☒ No

5. Does the handler generate any of the following F005 constituents (i.e., spent nonhalogenated solvents) as a result of being used in the process either in pure form or commercial grade?

toluene
methyl ethyl ketone
carbon disulfide
isobutanol
pyridine

☐ Yes ☒ No
☐ Yes ☒ No
☐ Yes ☒ No
☐ Yes ☒ No
☐ Yes ☒ No

6. Are any of the constituents listed in questions 1 through 5 used for their "solvent" properties -- that is to solubilize (dissolve) or mobilize other constituents? The following questions will be helpful in confirming this determination.

- (a) Are the constituents used as chemical carriers?

☐ Yes ☒ No

If yes, list the constituents.

- (b) Are the constituents used for degreasing/cleaning?

☐ Yes ☒ No

If yes, list the constituents.

- (c) Are the constituents used as diluents?

☐ Yes ☒ No

If yes, list the constituents.

- (d) Are the constituents used as extractants?

☐ Yes ☒ No

If yes, list the constituents.

(c) Are the constituents used for fabric scouring? ☐ Yes ☐ No

If yes, list the constituents.

(f) Are the constituents used as reaction and synthesis media? ☐ Yes ☐ No

If yes, list the constituents.

If the responses to questions 1 through 6 led the inspector to believe that the waste may be an F-solvent, answer question 7.

7. Are any of the above constituents spent solvents? (A solvent is considered "spent" when it has been used and is no longer usable without being regenerated, reclaimed, or otherwise reprocessed.) ☐ Yes ☐ No
8. If the waste is a mixture of constituents as determined in questions 1 through 6, give the concentration before use of all the constituents in the solvent mixture/blend. For example:

5%	methylene chloride
2%	trichloroethylene
25%	1,1,1-trichloroethane
<u>68%</u>	mineral spirits
100%	

If the waste stream is a mixture containing a total of 10% or more (by volume) of one or more of the F001, F002, F004, or F005 listed constituents before use, it is a listed waste.

With respect to the F003 solvent wastes, if, before use, the waste stream is mixed and contains only F003 constituents, it is a listed waste. For example:

33%	acetone
16%	methanol
<u>51%</u>	ethyl ether
100%	

If the waste stream is a mixture containing F003 constituents and a total of 10% or more of one or more of the F001, F002, F004, and F005 listed constituents before use, it is a listed waste. For example:

50%	xylene (F003)
12%	TCE (F001)
<u>38%</u>	mineral spirits
100%	

If in light of the above, the handler appears to be generating F001 - F005 hazardous wastes, refer this facility to the enforcement official for followup actions verifying the use of solvents at the facility.

**APPENDIX B
TREATMENT STANDARDS FOR F-SOLVENTS**

F001-F005 SPENT SOLVENTS	CONCENTRATION (IN MG/L)	
	WASTEWATERS	OTHER WASTES
Acetone	0.05	0.59
N-butyl	5.0	5.0
Carbon disulfide	1.05	4.81
Carbon tetrachloride	.05	.96
Chlorobenzene	.15	.05
Cresols (and cresylic acid)	2.82	.75
Cyclohexanone	.125	.75
1,2-dichlorobenzene	.65	.125
Ethyl acetate	.05	.75
Ethyl benzene	.05	.053
Ethyl ether	.05	.75
Isobutanol	5.0	5.0
Methanol	.25	.75
Methylene chloride	.20	.96
Methylene chloride (from the pharmaceutical industry)	12.7	.96
Methyl ethyl ketone	0.05	0.75
Methyl isobutyl ketone	0.05	.33
Nitrobenzene	0.66	0.125
Pyridine	1.12	0.33
Tetrachloroethylene	0.079	0.05
Toluene	1.12	0.33
1,1,1-Trichloroethane	1.05	0.41
1,2,2-Trichlor 1,2,2-trifluoroethane	1.05	0.96
Trichloroethylene	0.062	0.091
Trichlorofluoromethane	0.05	0.96
Xylene	0.05	0.15



**ACKNOWLEDGEMENT OF NOTIFICATION
OF
HAZARDOUS WASTE ACTIVITY**

09/15/86

This is to acknowledge that you have filed a **Notification of Hazardous Waste Activity** for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER	→	NJD002012219
INSTALLATION NAME	→	HENKEL CORP CARLSTADT
INSTALLATION ADDRESS	→	BERRY AVE & JCT RTE 17 N CARLSTADT, NJ 07072
MAILING ADDRESS	→	300 BROOKSIDE AVE AMBLER, PA 19002-3498

EPA Form 8700-12AB (4-80)

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY, 22nd Floor
NEW YORK, NEW YORK 10007-1866**

**ATTN: DIV OF ENVIRON PLANNING & PROTECTION
RCRA PROGRAMS BRANCH**

**TO: VANYO, EDWARD
SR ENV ENG
300 BROOKSIDE AVE
AMBLER, PA 19002-3498**

Change (owner)

Form Approved, OMB No. 2050-0028 Expires 10/31/99
GSA No. 0246 EPA-01

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Please refer to Section V, Line-by-Line Instructions for Completing EPA Form 8700-12 before completing this form. The information requested here is required by law (Section 3015 of the Resource Conservation and Recovery Act).		Notification of Regulated Waste Activity EPA United States Environmental Protection Agency		Date Received (For Official Use Only) 11/17/99 12:40 PHILADELPHIA BRANCH	
I. Installation's EPA ID Number (Mark 'X' in the appropriate box)					
<input type="checkbox"/> A. Initial Notification		<input checked="" type="checkbox"/> B. Subsequent Notification (Complete Item C)		C. Installation's EPA ID Number	
				N J D O O 2 0 1 2 2 1 9	
II. Name of Installation (Include company and specific site name)					
H E N K E L C O R P O R A T I O N C A R L S T A D T					
III. Location of Installation (Physical address not P.O. Box or Route Number)					
Street					
B E R R Y A V E N U E S O T H R O U T E 1 7 N O R T H					
Street (Continued)					
City or Town				State	Zip Code
C A R L S T A D T				N J	0 7 0 7 2 -
County Code		County Name			
		B E R G E N			
IV. Installation Mailing Address (See instructions)					
Street or P.O. Box					
3 0 0 B R O O K S I D E A V E N U E					
City or Town				State	Zip Code
A M B L E R				P A	1 9 0 0 2 - 3 4 9 8
V. Installation Contact (Person to be contacted regarding waste activities at site)					
Name (Last)			(First)		
V A N Y O			E D W A R D		
Job Title			Phone Number (Area Code and Number)		
S E N I O R E N V E N C			2 1 5 - 6 2 8 - 1 4 1 2		
VI. Installation Contact Address (See instructions)					
A. Contact Address Location		B. Street or P.O. Box			
<input checked="" type="checkbox"/> Mailing					
City or Town				State	Zip Code
					-
VII. Ownership (See instructions)					
A. Name of Installation's Legal Owner					
C O G N I S C O R P O R A T I O N					
Street, P.O. Box, or Route Number					
5 0 5 1 E S T E C R E E K D R I V E					
City or Town				State	Zip Code
C I N C I N N A T I				O H	4 5 2 3 2 - 1 4 4 6
Phone Number (Area Code and Number)				B. Land Type	C. Owner Type
5 1 3 - 4 8 2 - 3 0 0 0				P	P
				D. Change of Owner Indicator	
				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
				(Date Changed) Month Day Year	
				0 1 0 1 0 0	

Mailing Address Verified US Post office - (S)

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0028 Expires 10/31/99
USA No. 0248-EPA 07

ID - For Official Use Only

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to Instructions)

A. Hazardous Waste Activity

1. Generator (See Instructions)
- ☒ a. Greater than 1000 kg/mo (2,200 lbs.)
- ☐ b. 100 to 1000 kg/mo (220-2,200 lbs.)
- ☐ c. Less than 100 kg/mo (220 lbs.)
2. Transporter (Indicate Mode in boxes 1-5 below)
- ☐ a. For own waste only
- ☐ b. For commercial purposes

Mode of Transportation

- ☐ 1. Air
- ☐ 2. Rail
- ☐ 3. Highway
- ☐ 4. Water
- ☐ 5. Other - specify _____

- ☐ 3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity, see Instructions.
4. Hazardous Waste Fuel
- ☐ a. Generator Marketing to Burner
- ☐ b. Other Marketers
- ☐ c. Boiler and/or Industrial Furnace
- ☐ 1. Smaller Deferral
- ☐ 2. Small Quantity Exemption
- Indicate Type of Combustion Device(s)
- ☐ 1. Utility Boiler
- ☐ 2. Industrial Boiler
- ☐ 3. Industrial Furnace
- ☐ 5. Underground Injection Control

B. Used Oil Recycling Activities

1. Used Oil Recycling Marketer
- ☐ a. Marketer Direct Shipment of Used Oil to Off-Specification Burner
- ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications
2. Used Oil Burner - Indicate Type(s) of Combustion Device
- ☐ a. Utility Boiler
- ☐ b. Industrial Boiler
- ☐ c. Industrial Furnace
3. Used Oil Transporter - Indicate Type(s) of Combustion Device(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility
4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies)
- ☐ a. Process
- ☐ b. Re-refine

IX. Description of Regulated Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. (Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24)

1. Ignitable (D001) ☐
2. Corrosive (D002) ☐
3. Reactive (D003) ☐
4. Toxicity Characteristic (List specific EPA hazardous waste number(s) for the Toxicity characteristic contaminant(s)) ☐

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33; See Instructions if you need to list more than 12 waste codes.)

1	2	3	4	5	6	7	8	9	10	11	12
2	3	1	5								
7											

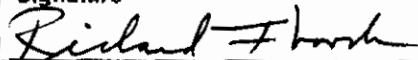
C. Other Wastes. (State other wastes requiring a handler to have an I.D. number; See Instructions.)

1	2	3	4	5	6

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature



Name and Official Title (Type or print)

RICHARD F. NOVAK
V.P. MANUFACTURING PLANTS

Date Signed

12/29/99

XI. Comments

CHANGE OF OWNERSHIP. FACILITY HANDLES ONLY PCM MIXTURES, FILTER CAKE FROM GROUND-WATER TREATMENT < 50 PPM.

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)



Cognis Corporation
5051 Estecreek Drive
Cincinnati, OH 45232-1446

CERTIFIED MAIL # Z 292-845-783 RETURN RECEIPT REQUESTED

United States Environmental Protection Agency, Region 2
Air and Waste Management Division
Attn: RCRA Notifications
290 Broadway, 21st Floor
New York, NY 10007-1866

RE: Cognis Corporation
Berry Avenue at Route 17 North
Carlstadt, NJ 07072
Ownership Transfer Notification
EPA Generator No. NJD002012219

U.S. EPA
AGENCY RO II
00 JAN -7 PM 12:40
PROGRAMS BRANCH

Dear Sir:

You recently received a letter from Henkel Corporation advising you of the transfer of ownership of the facility located on Berry Avenue at Route 17 North, Carlstadt, NJ 07072 from Henkel Corporation ("Henkel") to Cognis Corporation ("Cognis"), as of January 1, 2000. The facility currently is registered as a Hazardous Waste Generator. The EPA Generator Identification Number is NJD002012219..

We hereby request that the EPA identification number issued to Henkel Corporation be transferred to Cognis Corporation effective January 1, 2000 or as soon thereafter as possible. Enclosed is a completed EPA form 8700-12, *Notification of Regulated Waste Activity*. This letter is to advise you of the transfer of ownership of the facility located at 4900 Este Ave., Cincinnati, OH 44128 from Henkel Corporation ("Henkel") to Cognis Corporation ("Cognis"), as of January 1, 2000. The facility operates under EPA Identification Number OHD093903235. Notwithstanding this transfer, all existing operations at the Cincinnati facility are expected to remain the same.

I would appreciate it if you would notify me of the effective date of the transfer of the above-referenced EPA identification number.

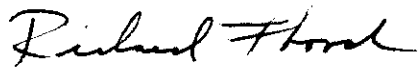
All questions regarding technical issues may be directed to:

Edward Vanyo
Senior Environmental Engineer
Cognis Corporation
300 Brookside Avenue
Ambler, PA 19002
(215) 628-1417

U.S. EPA
AGENCY RO II
00 JAN -7 PM 12:40
Hazardous
PROGRAM

Thank you for your prompt attention to this matter. If you have any further questions or concerns, please feel free to contact me at (513) 482-3000.

Sincerely,



Rich Novak
Vice President Manufacturing Plants

cc: B. Betz
D. Kidd
J. Richter
E. Vanyo

Enclosure: EPA form 8700-12, *Notification of Regulated Waste Activity*

Change (owner)

Form Approved, OMB No. 2050-0028 Expires 10/31/99
GSA No. 0246 EPA 07U.S. EPA
AGENCY
00 JAN 17 1999
Date Received 1/12/99
(For Official Use Only)
REGISTRATION BRANCH

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Please refer to Section V, Line-by-Line Instructions for Completing EPA Form 8700-12 before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

United States Environmental Protection Agency

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

☐ A. Initial Notification
 ☒ B. Subsequent Notification (Complete item C)

C. Installation's EPA ID Number

N J D O O 2 0 1 2 2 1 9

II. Name of Installation (Include company and specific site name)

H E N K E L C O R P O R A T I O N C A R L S T A D T

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

B E R R Y A V E N U E @ R O U T E 1 7 N O R T H

Street (Continued)

City or Town

C A R L S T A D T

State

N J

Zip Code

0 7 0 7 2 -

County Code

County Name

B E R G E N

IV. Installation Mailing Address (See Instructions)

Street or P.O. Box

3 0 0 B R O O K S I D E A V E N U E

City or Town

A M B L E R

State

P A

Zip Code

1 9 0 0 2 - 3 4 9 8

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (Last)

V A N Y O

(First)

E D W A R D

Job Title

S E N I O R E N V E N G

Phone Number (Area Code and Number)

2 1 5 - 6 2 8 - 1 4 1 2

VI. Installation Contact Address (See Instructions)

A. Contact Address Location Mailing

☐☒

B. Street or P.O. Box

City or Town

State

Zip Code

VII. Ownership (See Instructions)

A. Name of Installation's Legal Owner

C O G N I S C O R P O R A T I O N

Street, P.O. Box, or Route Number

5 0 5 1 E S T E C R E E K D R I V E

City or Town

C I N C I N N A T I

State

O H

Zip Code

4 5 2 3 2 - 1 4 4 6

Phone Number (Area Code and Number)

5 1 3 - 4 8 2 - 3 0 0 0

B. Land Type

P

C. Owner Type

P

D. Change of Owner Indicator

Yes X

No

(Date Changed)

Month Day Year
0 1 0 1 0 0

Mailing Address Verified US Post office - (18)

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0028 Expires 10/31/99
USA No. 0246-EPA 07

ID - For Official Use Only

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1	2	3	4	5	6
2	3	1	5		
7					

C. Other Wastes. (State other wastes requiring a handler to have an I.D. number; See instructions.)

1	2	3	4	5	6

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

Richard F. Novak

Name and Official Title (Type or print)

RICHARD F. NOVAK
V.P. MANUFACTURING PLANTS

Date Signed

12/29/99

XI. Comments

CHANGE OF OWNERSHIP. FACILITY HANDLES ONLY PCB MIXTURES, FILTER CAKE FROM GROUND-

WATER TREATMENT < 50 PPM.

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Cognis Corporation
5051 Estecreek Drive
Cincinnati, OH 45232-1446

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Air and Waste Management Division
Attn: RCRA Notifications
290 Broadway, 21st Floor
New York, NY 10007-1866

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Berry Avenue at Route 17 North
Carlstadt, NJ 07072
Ownership Transfer Notification
EPA Generator No. NJD002012219

U.S. EPA
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00 JAN -7 PM 12:40
HAZARDOUS & SOLID WASTE
PROGRAMS BRANCH

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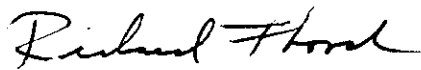
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All questions regarding technical issues may be directed to:
Edward Vanyo
Senior Environmental Engineer
Cognis Corporation
300 Brookside Avenue
Ambler, PA 19002
(215) 628-1417

U.S. EPA
AGENCY RO II
00 JAN -7 PM 12:40
HAZARDOUS &
PROGRAM

Thank you for your prompt attention to this matter. If you have any further questions or concerns, please feel free to contact me at (513) 482-3000.

Sincerely,



Rich Novak
Vice President Manufacturing Plants

cc: B. Betz
D. Kidd
J. Richter
E. Vanyo

Enclosure: EPA form 8700-12, *Notification of Regulated Waste Activity*